

ENGINEERS ESTIMATE SAP 002-614-041

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL PROJECT QUANTITIES ESTIMATED	ESTIMATE		ANOKA COUNTY SAP 002-614-041 ROADWAY QUANTITIES ESTIMATED	ANOKA COUNTY 002-614-041 COST	CITY OF BLAINE ROADWAY QUANTITIES ESTIMATED	CITY OF BLAINE COST	DRAINAGE QUANTITIES ESTIMATED	DRAINAGE COSTS ESTIMATED
				Unit Cost	Total						
2011.601	VIBRATION MONITORING	LUMP SUM	1	\$20,000.00	\$20,000.00	1	\$20,000.00				
2021.501	MOBILIZATION	LUMP SUM	1	\$111,000.00	\$111,000.00	0.809	\$89,799.00	0.061	\$6,771.00	.130	\$14,430.00
2031.502	FIELD OFFICE TYPE D	EACH	1	\$40,000.00	\$40,000.00	0.809	\$32,360.00	0.061	\$2,440.00	.130	\$5,200.00
2101.505	CLEARING	ACRE	1	\$4,000.00	\$3,200.00	1	\$3,200.00				
2101.505	GRUBBING	ACRE	1	\$3,500.00	\$2,800.00	1	\$2,800.00				
2101.524	CLEARING	TREE	42	\$300.00	\$12,600.00	42	\$12,600.00				
2101.524	GRUBBING	TREE	48	\$200.00	\$9,600.00	48	\$9,600.00				
2102.503	PAVEMENT MARKING REMOVAL	LIN FT	29618	\$1.00	\$29,618.00	29618	\$29,618.00				
2102.518	PAVEMENT MARKING REMOVAL	SQ FT	702	\$3.00	\$2,106.00	702	\$2,106.00				
2104.502	REMOVE DRAINAGE STRUCTURE	EACH	11	\$300.00	\$3,300.00	11	\$3,300.00				
2104.502	REMOVE PIPE APRON	EACH	8	\$300.00	\$2,400.00	8	\$2,400.00				
2104.502	REMOVE SIGN TYPE C	EACH	22	\$25.00	\$550.00	22	\$550.00				
2104.502	SALVAGE SIGN TYPE C	EACH	2	\$25.00	\$50.00	2	\$50.00				
2104.502	SALVAGE SIGN TYPE D	EACH	2	\$3.00	\$6.00	2	\$6.00				
2104.502	SALVAGE SIGN TYPE SPECIAL	EACH	2	\$3.00	\$6.00	2	\$6.00				
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	677	\$3.00	\$2,031.00	677	\$2,031.00				
2104.503	REMOVE PIPE CULVERTS	LIN FT	250	\$20.00	\$5,000.00	250	\$5,000.00				
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	1237	\$14.00	\$17,318.00	1237	\$17,318.00				
2104.503	REMOVE CURB & GUTTER	LIN FT	4279	\$3.50	\$14,976.50	4279	\$14,976.50				
2104.503	REMOVE BITUMINOUS CURB	LIN FT	196	\$3.00	\$588.00	196	\$588.00				
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	45	\$2.00	\$90.00	45	\$90.00				
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	387	\$4.00	\$1,548.00	387	\$1,548.00				
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	17184	\$4.00	\$68,736.00	17184	\$68,736.00				
2104.518	REMOVE CONCRETE MEDIAN	SQ FT	4625	\$3.00	\$13,875.00	4625	\$13,875.00				
2104.602	REMOVE MISC. STRUCTURES	EACH	2	\$300.00	\$600.00	2	\$600.00				
2105.507	COMMON EXCAVATION (P)	CU YD	7765	\$15.00	\$116,475.00	7765	\$116,475.00				
2105.507	MUCK EXCAVATION	CU YD	4531	\$18.00	\$81,558.00	4531	\$81,558.00				
2105.507	SUBGRADE EXCAVATION (P)	CU YD	7098	\$10.00	\$70,980.00	7098	\$70,980.00				
2105.507	CHANNEL AND POND EXCAVATION	CU YD	2672	\$8.00	\$21,376.00	2672	\$21,376.00				
2105.607	COMMON BORROW SPECIAL (CV)	CU YD	1062	\$22.00	\$23,364.00	1062	\$23,364.00				
2105.507	SELECT GRANULAR BORROW (LV)	CU YD	2363	\$12.00	\$28,356.00	2363	\$28,356.00				
2123.510	DOZER	HOUR	12	\$160.00	\$1,920.00	12	\$1,920.00				
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	12	\$1.00	\$12.00	12	\$12.00				
2130.523	WATER	M GALLON	30	\$60.00	\$1,800.00	30	\$1,800.00				
2211.507	AGGREGATE BASE (CV) CLASS 5 (P)	CU YD	4909	\$23.00	\$112,907.00	4505	\$103,615.00	404	\$9,292.00		
2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	5207	\$4.00	\$20,828.00	5207	\$20,828.00				
2357.506	BITUMINOUS MATERIAL FOR TACK COAT (P)	GAL	2184	\$2.50	\$5,460.00	2184	\$5,460.00				
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,A)	TON	709	\$85.00	\$60,265.00	135	\$11,475.00	574	\$48,790.00		
2360.509	TYPE SP 12.5 BITUMINOUS MIXTURE FOR PATCHING	TON	59	\$60.00	\$3,540.00	59	\$3,540.00				
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,B)	TON	2215	\$60.00	\$132,900.00	2215	\$132,900.00				
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (3,F)	TON	5285	\$75.00	\$396,375.00	5285	\$396,375.00				
2411.618	MODULAR BLOCK RETAINING WALL	SQ FT	587	\$40.00	\$23,480.00	587	\$23,480.00				
2451.607	MEDIUM FILTER AGGREGATE (CV)	CU YD	182	\$55.00	\$10,010.00					182	\$10,010.00
2501.502	15" RC PIPE APRON	EACH	4	\$1,200.00	\$4,800.00					4	\$4,800.00
2501.502	18" RC PIPE APRON	EACH	2	\$950.00	\$1,900.00					2	\$1,900.00
2501.502	21" RC PIPE APRON	EACH	1	\$950.00	\$950.00					1	\$950.00
2501.502	36" RC PIPE APRON	EACH	1	\$1,800.00	\$1,800.00					1	\$1,800.00
2501.502	18" CS SAFETY APRON AND GRATE DESIGN 3128	EACH	5	\$600.00	\$3,000.00					5	\$3,000.00
2501.503	18" CS PIPE CULVERT	LIN FT	88	\$20.00	\$1,760.00					88	\$1,760.00
2502.503	8" TP PIPE DRAIN	LIN FT	8	\$40.00	\$320.00					8	\$320.00
2502.503	8" PERF TP PIPE DRAIN (MOD)	LIN FT	776	\$5.00	\$3,880.00					776	\$3,880.00
2502.602	8" TP PIPE DRAIN CLEAN OUT	EACH	4	\$5.00	\$20.00					4	\$20.00
2503.503	15" RC PIPE SEWER CLASS V	LIN FT	907	\$25.00	\$22,675.00					907	\$22,675.00
2503.503	18" RC PIPE SEWER CLASS III	LIN FT	103	\$33.00	\$3,399.00					103	\$3,399.00
2503.503	21" RC PIPE SEWER CLASS III	LIN FT	130	\$35.00	\$4,550.00					130	\$4,550.00
2503.503	24" RC PIPE SEWER CLASS III	LIN FT	185	\$44.00	\$8,140.00					185	\$8,140.00
2503.503	27" RC PIPE SEWER CLASS III	LIN FT	282	\$60.00	\$16,920.00					282	\$16,920.00
2503.503	30" RC PIPE SEWER CLASS III	LIN FT	300	\$65.00	\$19,500.00					300	\$19,500.00
2503.503	33" RC PIPE SEWER CLASS III	LIN FT	499	\$75.00	\$37,425.00					499	\$37,425.00
2503.503	36" RC PIPE SEWER CLASS III	LIN FT	77	\$85.00	\$6,545.00					77	\$6,545.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	4	\$2,000.00	\$8,000.00					4	\$8,000.00
2504.602	ADJUST GATE VALVE AND BOX	EACH	11	\$300.00	\$3,300.00			11	\$3,300.00		
2506.502	CASTING ASSEMBLY	EACH	47	\$750.00	\$35,250.00			3	\$2,250.00	44	\$33,000.00
2506.502	ADJUST FRAME & RING CASTING	EACH	10	\$450.00	\$4,500.00	2	\$900.00	8	\$3,600.00		
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	34.1	\$350.00	\$11,935.00					34	\$11,935.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	97.7	\$425.00	\$41,522.50					98	\$41,522.50
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 54-4020	LIN FT	15.4	\$500.00	\$7,700.00					15	\$7,700.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	31.6	\$575.00	\$18,170.00					32	\$18,170.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 78-4020	LIN FT	5.3	\$1,000.00	\$5,300.00					5	\$5,300.00
2506.503	RECONSTRUCT DRAINAGE STRUCTURE	LIN FT	3.6	\$200.00	\$720.00			4	\$720.00		
2511.504	GEOTEXTILE FILTER TYPE 3	LIN FT	187	\$1.50	\$280.50	187	\$280.50				
2511.509	RANDOM RIPRAP CLASS II	TON	36	\$6.50	\$234.00	36	\$234.00				
2521.518	4" CONCRETE WALK	SQ FT	18986	\$10.00	\$189,860.00	18986	\$189,860.00				
2521.518	6" CONCRETE WALK	SQ FT	916	\$14.00	\$12,824.00	484	\$6,776.00	432	\$6,048.00		
2531.503											